APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

Indochinese Ethnography, by George Coedes, 22 pp.
UNCL

FRENCH, rpt, Centre des Etudes Asiatiques et Africaines, Nov 1950, pp 1-15.

JPRS/DC-6757

Asia - Indochina

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May 62 194,829

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

Water Infusion in Coal in French Coal Mines.
Technical Information Bulletin No 37.

FRENCH, per, Centre d'Etudes du Charbonnage de France.

Dept of Int
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Cnetral Exper Sta
Pitts., Pa. Tr 162

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89,966

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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

Principes de Glaciologie Structurale; la Petrographie de la Glace Comme Methode d'Etude Glaciologique, by P. A. Schoumsky, 309 pp.

FRENCH, per, Centre d'Etudes et de Documentation Paleontologiques, No 22, 1957.

Library of Geological Survey of Canada

153,613

Sc4
Jun 61

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

Chapter II - The Railroad Network, by Anis Chebat.
UNCL

FRENCH, per, Centre D'Etudes et de Documentations,
No 2, January 1959.

*ACSI H-9143
ID 2166453

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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

62-32037

CORROSION PROBLEMS. Quarterly rept. no. 2, 1 June-31 Aug 60. [1959] 120p. Supersedes TID-12 323. Order from OTS or SLA $9.60 EURAEC-30

Trans. of a rept. prepared in cooperation with Centre Belge d'Étude de la Corrosion, Brussels; Centre d'Étude de l'Énergie Nucléaire, Brussels (Belgium). Société d'Études, de Recherches et d'Applications pour l'Industrie, Brussels (Belgium) Sep 60.

DESCRIPTORS: Corrosion, *Corrosion research, Steel, Stainless steel, Radiation effects, Electrolysis, Electrodes, Potential theory, Potentiometers, Test methods, Corrosive liquids, Electrochemistry

(Nuclear Physics--Nuclear Engineering, TT, v. 9, no. 4)

1. TID-12 323, superseded
II. EURAEC-30
III. EURATOM (Belgium)

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

Dejonghe, P.
TREATMENT OF RADIOACTIVE WASTES.
Quarterly rept. no. 1 (3d Quarter, 1960). 1960. 35p.
Supersedes TID 12403.
Order from OTS or SLA $3.60 EURAEC-25

Trans. of rept. from Centre d'Etude de l'Energie Nucleaire, Brussels (Belgium).

DESCRIPTORS: *Radioactive waste disposal, *Incinerators, Asphalt, Towers (Chemistry), Porous filters, *Hydrology.

Investigations are directed towards (1) the elaboration of an incinerator for the simultaneous combustion of lignite and incongruous waste and a study of the insolubilization of radioactive concentrates, and (2) finding a suitable tracer for measuring movements of water in the soil, actually measuring these movements, and establishing the physico-chemical behavior of stored or dumped radioelements.
(Nuclear Physics--Waste Disposal, TT, v. 8, no. 10)

61-31924

I Dejonghe, P.
II EURAEC-25
III
IV

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

WASTE DISPOSAL. Progress rept. no. 2, 3rd. Quarter, 1960, on [Contract ([illegible]-60-4-RDB)]. 1960, 50p. 6 refs. Supersedes TID-12464.
Order from OTS or SLA $4.60 EURAEC-83

Trans. of rept. from Centre d'Etude de l'Energie Nucléaire (Belgium).

DESCRIPTORS: *Sanitary engineering, Chemical wastes, *Radioactive waste disposal, *Purification, *Incinerators, Solubility, Smokes, Gases, Radioactive wastes, Underground structures, Hydrology, Measurement, Velocity, Water, Migration area, Soils, Fission, Isotopes, *Radioactive isotopes.

Contents:
Purification, incineration and insolubilization of smoke gasses
(Nuclear Physics--Waste Disposal, TT, v. 9, no. 1)
(over)

62-24596

I. EURAEC-83
II. EURATOM (Belgium)
III. TID-12464 superseded

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

REPROCESSING OF SPENT FUELS. Progress rept. no. [illegible] for 1959, on Contract [(006-60-4-RDB]. 1960, 100p. 23 refs.
Order from OTS or SLA $6.60 EURAEC-81

Trans. of rept. from Centre d'Etude de l'Energie Nucléaire (Belgium).

DESCRIPTORS: *Fuel processing, *Chlorination, *Oxidation-reduction reactions, Reaction kinetics, Elimination reactions, *Fission products, *Power metallurgy, Uranium compounds, Fluorides, Oxides, Fluidized solids, Fluorination, Fractionation, Gas chromatography, Plutonium, Fission product activity, *Reactors fuels, Decontamination

Contents:
Chlorination, by P. Spreckmert
(Nuclear Fission--Nuclear Engineering, TT, v. 5, no. 7) (over)

62-24597

I. EURATOM
II. EURATOM (Belgium)

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

Schmets, J.
THE REPROCESSING OF IRRADIATED FUELS.
Quarterly rept. no. 1 (Second Quarter, 1960).
28 July 60, 9dp.
Order from OTS or SLA $9.60 EURAEC-2[illegible]

Trans. of rept. from Centre d'Étude de l'Énergie Nucléaire, Brussels (Belgium).

DESCRIPTORS: *Reactor fuels, Processing, [illegible] tion, Uranium compounds, Carbides, [illegible] duction, Reaction kinetics, Physical properties, Fission products, Powders, Powder metallurgy, Fluorides, Plutonium, Fluorination.

Contents:
Chlorination
Kinetics, physical properties
Elimination of fission products
Technology of the powders
[illegible]
Plutonium

62-[illegible]20334

I. Schmets, J.
II. EURAEC-23
III. EURATOM (Belgium)

(Nuclear Physics--Nuclear Engineering, TT, v. 8, no. 9)
Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

SWELLING OF URANIUM. Quarterly rept. no. 1. Dec 60, 43p. 65 refs. Supersedes TID-12466. Order from OTS or SLA $4.60 62-32015

Trans. of rept. from Centre d'Etude de l'Energie Nucleaire (Belgium).

DESCRIPTORS: *Uranium, *Crystal structure, *Dislocations, Atomic number, Bubbles, Growth, Heat treatment, Metals, Rare gases, Fission products, Deformation, Reduction, Platinum, Niobium, Zirconium, Electron microscopy.

Studies are to be made on (1) the dislocation configuration of uranium and other metals of high atomic number and different crystallographic structure, (2) the nature of the nucleation sites of the bubbles, (3) the mechanism of growth of the bubbles, (4) the (Physics--Solid State, TT, v. 8, no. 5) (over)

62-32015

I. EURAEC-21
II. EURATOM (Belgium)
III. TID-12466 superseded

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

62-32035

SWELLING OF URANIUM. Quarterly rept. no. 2 (1 Jan-31 Mar 61). Mar 61, 35p. 23 refs.
Order from CFS or SLA $3.00 EURAE[illegible]

Trans. of rept. from Centre d'Etude de l'Energie Nucleaire, Brussels (Belgium).

DESCRIPTORS: *Radiation effects, *Uranium, *Fission, *Neutron, [illegible] Ha, Annealing, Heat treatment, Temperature, Crystallization, Lattices, Electron microscopy, Fast neutrons,

Transcribed [illegible] Nuclear Chemistry, [illegible]

I. EURAE[illegible]
II. [illegible] (Belgium)

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

62-32175

SOLID-STATE DETECTOR FOR NEUTRONS
Quarterly rept. no. 2 (Jan-Mar 61), Mar 31, 1961.
6 refs.
Order from: U.S. DEPT. OF COMMERCE, OTS, WASH 25, D.C. BUREAU OF [illegible]

Translation of rept. from Centre d'Etude de l'Energie Nucleaire (Brussels, Belgium).

Subject Terms: Neutron detectors, Detection, Silicon, Diffusion, Carbides, Diodes, Radiation damage, Irradiation, Halloween, Photoelectric effects, Temperature, Neutron counters.

Contents:
Introduction
Summary in diagrams of grown Si and diodes
Sensitivity and Eff measurements
Neutron counters
Photoelectric
(Nuclear Physics Instruments, UTX, no. 9)

1. BUREAU-107
II. EURATOM (Belgium)

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

CORROSION PROBLEMS, Quarterly rept. no. [illegible] [illegible] [illegible] 1962. 15p.
Language: [illegible] Price: $1 or $1 [illegible] $0.60 [illegible]

Trans. of rept. prepared in cooperation with Centre Belge d'Etude de la Corrosion, Brussels. Centre d'Etude de l'Energie Nucléaire, Brussels. Belgium. Bedrijfsstudies, de Rechter Rey de [illegible] Applicatie [illegible] (Belgium) July 61.

DESCRIPTORS: Corrosion, *Corrosion research, Steel, Stainless steel, Aluminum, Alloys, Zinc, Iron, Electrolytes, Electrolytic cells, Electrodes, Potential theory, Potentiometers, Test methods, Radiation effects, Corrosion resistant, Electrochemistry

(See also EURAEC [illegible])
(Nuclear Propulsion--Nuclear Engineering, [illegible]) Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

USE OF PLUTONIUM AS FUEL IN NUCLEAR REACTORS. Quarterly rept. no. 4, Apr-June 61, on contract 027-60-7 EDB. July 61. 63p.
Order from OTS or SLA $6.60 EURAEC-130

Trans. of rept. from Centre d'Étude de l'Énergie Nucléaire (Belgium).

DESCRIPTORS: *Nuclear power plants, *Reactor fuels, *Plutonium compounds, *Oxides, *Carbides, *Uranium compounds, Power alloys, Separation, Purification, Nuclear physics laboratories.

The first results of Pu oxalate solubility have been obtained. The investigation of the various factors affecting the PuO_2 dissolution speeds and the purification of Pu salts by ion exchangers was continued. F concentrations of 10^{-5} g do not impede the fluorimetric determination of U. Dense grains produced (Nuclear Physics and Nuclear Chemistry, TT, v. 8, no 6)

(over)

62-32181

I. EURAEC-130
II. EURATOM (Belgium)

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

62-32156

REPROCESSING OF IRRADIATED FUELS. Quarterly rept. no. 5, Apr-June 61, on Contract [EUR-62-1RDB]. 28 July 61, 28p.
Order from CFS or S.L.A $2.60

Trans. of rept. from Centre d'Etude de l'Energie Nucleaire (Belgium).

DESCRIPTORS: *Reactor fuels, *Chlorination, *Uranium compounds, *Oxides, *Chlorides, *Uranyl radicals, *Reaction kinetics, Transformations, Oxidation, *Fission products, Sintering, Particles, Fluorination, *Powder metallurgy, *Benzenes, Distilling plants, *Fluorides, Plutonium.

Research on chlorination [illegible] of the uranium oxide takes place in prototype pilot plants. Practical qualitative results were obtained [illegible] (Nuclear Fluids and Nuclear Chemistry, 77, v. 5, no. 6)

(over)

I. EURATOM-134
II. EURATOM (Belgium)

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

62-32174

SWELLING OF URANIUM. Quarterly rept. no. 4 (July-Sep 61), Sep 61, 22p. 9 refs.
Order from OTS or SLA $2.60 EURAEC-186

Trans. of rept. from Centre d'Étude de l'Énergie Nucléaire Brussels (Belgium).

DESCRIPTORS: *Radiation effects, *Uranium, *Platinum, Foils, Annealing, Grains (Metallurgy), Electron microscopy.

(Nuclear Physics--Nuclear Engineering, TT, v. 8, no. 10)

I. EURAEC-186
II. EURATOM (Belgium)

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

Schmets, J.
REPROCESSING OF IRRADIATED URANIUM. Quarterly report no. 2, July-Sep 61, on Contract 049-61-4 RDB. [1962] 59p. 15 refs.
Order from OTS or SLA $5.60 EURAEC-207

Trans. of a rept. from Centre d'Étude de l'Énergie Nucléaire, Brussels (Belgium) Nov 61.

DESCRIPTORS: *Reactor fuels, *Uranium, Processing, Gravimetric analysis, Chlorination, Fluorination, Reaction kinetics, *Plutonium, *Fission products, *Powder metallurgy.

Reduction and chlorination reactions were studied by thermogravimetry, in order to improve the cycle of retreatment by chlorination. Research was started on the transformation of chlorides into fluorides. A study was made on the reduction of U_3O_8 in the presence of
(Nuclear Physics and Nuclear Chemistry, TT, v. 9, no. 1)
(over)

62-33161

I. Schmets, J.
II. EURAEC-207
III. EURATOM (Belgium)

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

SOLID STATE NEUTRON DETECTOR. Quarterly report, [illegible] Sept. [illegible]. Order from OTS or [illegible] EURAtom [illegible]

Trans. of report from Centre d'Etude de l'Energie Nucleaire, Brussels [illegible]

DESCRIPTORS: *Neutron detectors, Detectors, Photoelectric effects, Resistance, Hall effect, Solid compounds, Carbides, Single [illegible] carriage

(Nuclear Physics--Instruments, TT, v. [illegible], no. [illegible])

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

Amelinckx, S. and others.
SOLID STATE NEUTRON DETECTOR. [Quarterly report no. 5] 1 Oct-31 Dec 61, on Contract 079-61-10 RDB [1962] 15p. 3 refs.
Order from OTS and SLA $1.60 EURAEC-246

Trans. of a repr. from Centre d'Étude de l'Énergie Nucléaire, Brussels (Belgium) [1962].

DESCRIPTORS: *Semiconductors, *Solid state physics, *Neutron detectors, *Silicon compounds, Carbides, Diodes, Radiation damage, Hall effect, Resistance, Spectrographic analysis.

The radiation damage program of homogeneous SiC and diodes was continued. Measurements were made of Hall effect and resistivity on a number of p-type crystals of SiC in a temperature range between 300°K and 300°K. From the temperature dependence of free hole (Nuclear Physics--Instruments, TT, v. 9, no. 1) (over)

62-33169

I. Amelinckx, S.
II. EURAEC-246
III. EURATOM (Belgium)

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

Fourbaix, M.
CORROSION OF NUCLEAR MATERIALS. Special rept. 3, 1 Mar 60-Dec 61. [1962] [88]p.
CEBELCOR-744.
Order from OTS or SLA $8.10 EURAEC-293

Trans. of a rept. from Centre Belge d'Étude de la Corrosion, Brussels (Belgium) 18 Apr 62.

DESCRIPTORS: Corrosion, *Stainless steel, *Corrosion inhibition, Sodium compounds, Carbonates, Chlorides, Surface properties, Heat treatment, Oxidizers, Polarization.

An electrochemical investigation was conducted concerning the circumstances accompanying local corrosion and the conditions of noncorrosion of types 304, 316, and 410 stainless steel in the presence of 0.10 M sodium bicarbonate containing various amounts of
(Nuclear Physics--Nuclear Engineering, TT, v. 10, no. 7)
(over)

63-23679

I. Fourbaix, M.
II. CEBELCOR-744
III. EURAEC-293
IV. EURATOM (Belgium)

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

Schmets, J. and others.
RETREATMENT OF IRRADIATED FUELS. Quarterly rept. no. 7, 1 Oct-3, Dec 61, on Contract 049-61-4 RDE [1962] 29p
Order from OTS or $1.[illegible] .60 EURAEC-263

Trans. of a rept. from Centre d'Étude de l'Energie Nucléaire, Mol (Belgium) n.d.

DESCRIPTORS: Nuclear reactors, *Reactor fuels, *Reactor fuel processing, Chlorination, Uranium compounds, Chlorides, Fluorides, Chemical reactions, Reaction kinetics, Fission products, Decontamination, Powder metallurgy, Plutonium.

(Nuclear Physics--Nuclear Engineering, TT, v. 9, no. 3)

63-13129

I. Schmets, J.
II. EURAEC-263
III. EURATOM (Belgium)

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

Cardozo, R. Lopez and Dejonghe, P.
THE REMOVAL OF GASEOUS CONTAMINANTS FROM IAR WITH A SORBANT INJECTION SYSTEM. Special report no. 2; Presented at the International Air Cleaning Conference, Brookhaven National Lab., 10-12 Oct 61. [1962] 16p. 2 refs.
Order from OTS or SLA $1.60 EURAEC-196

Trans. of rept. from Centre d'Étude de l'Énergie Nucléaire, Brussels (Belgium) [1961].

DESCRIPTORS: *Air, *Decontamination, Gases, Cleaning, Absorption, Towers (Chemistry), Charcoals, Injectors, Contamination

It is shown that a sorbant injection system can be used as a means of cleaning gases from contaminants when low or intermediate decontamination factors are allowed, for instance in closed circuits. The sorbant injection system, in its simplest form, is composed (Engineering--Sanitation, TT, v. 8, no. 9) (over)

62-33189

I. Cardozo, R. L.
II. Dejonghe, P.
III. Title: International...
IV. EURAEC-196
V. EURATOM (Belgium)

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

Schmets, J. and Speecklaert, Ph.
REPROCESSING IRRADIATED FUELS: TRIP REPT--ARGONNE, BROOKHAVEN, OAK RIDGE, NEW YORK, NOV-DEC 61. Special rept. 3, Nov-Dec 61, on Contract 049-61-4 RDB. [1962] 11p.
Order from OTS or SLA $1.60 EURAEC-298

Trans. of a rept. from Centre d'Étude de l'Énergie Nucléaire, Mol (Belgium) n.d.

DESCRIPTORS: *Reactor fuels, *Reactor fuel processing, Chlorination, Fluorination.

(Nuclear Physics--Nuclear Engineering, TT, v. 10, no. 7)

63-15631

I. Schmets, J.
II. Speecklaert, P.
III. EURAEC-298
IV. European Atomic Energy Community, Brussels (Belgium)

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

Chenebault, P. and Delmas, R.
CONTINUOUS PREPARATION IN LABORATORY OF URANIUM DIOXIDE POWDERS SUITABLE FOR SINTERING IN HYDROGEN AT 1650°C. Special rept. no. 3 on Project 208, Sintering of UO_2. [1962] 25p 9refs
Contract 031-60-10 RDF
Order from OTS, SLA, or ETC $2.60 EURAEC-346

Trans. of a rept. from Commissariat à L'Énergie Atomique, Paris (France) Jan 62. (Abstract available)

DESCRIPTORS: *Reactor fuels, *Uranium compounds, Dioxides, *Sintering, Hydrogen, Powder metallurgy, *Furnaces, Production.

The industrial trioxide prepared by continuous calcination of ammonium diuranate can be utilized as raw material for the preparation of uranium dioxide powder (Nuclear Physics--Nuclear Engineering, TT, v. 11, no. 7)
(over)

TT-63-15657

I. Chenebault, P.
II. Delmas, R.
III. Title: Sintering...
IV. EURAEC-346
V. European Atomic Energy Community, Brussels (Belgium)

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

REGENERATION OF IRRADIATED FUELS. Quarterly rept. no. 4 (1st quarter, 1961) on Contract [008-60-4RDB]. [1962] 57p. 2 refs. CEN R. 1987. Order from OTS or SLA $5.60 EURAEC-82

Trans. of rept. from Centre d'Ét. de de l'Énergie Nucléaire, Brussels (Belgium) 15 May 61.

DESCRIPTORS: *Reactor fuels, Regeneration, *Uranium compounds, Oxides, Chlorides, Fluorides, Chlorination, Carbon tetrachloride, Oxychlorides, Corrosion research, Reaction kinetics, *Powder metallurgy, Fluidized solids, Distilling plants, Flowmeters, *Plutonium.

Contents:
Chlorination
Kinetics
(Nuclear Physics--Nuclear Engineering, TLA. 9, no. 2 (0?61)

62-2,89

I. CEN R-1987
II. EURAEC-82
III. EURATOM (Belgium)

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

GROWTH OF UO_2 SINGLE CRYSTALS. Rept. 1, 1 Oct-31 Dec 61, on Contract 055-61-9 RDB. [1961] 9p. CEN R-2079.
Order from OTS or SLA $5.00 EURAEC-245

Trans. of Bulletin Institut Interuniversitaire de l'Energie Nucléaire, Brussels (Belgium) [1962].

DESCRIPTORS: *Uranium compounds, *Dioxides, *Crystallization, Single crystals, Growth, Sublimation, Crystals, Diffraction.

Work was directed to two main problems concerning UO_2 single crystal preparation by sublimation. Improvement of the furnace arrangement in order to avoid tantalum contamination of the crystals and the preparation of single crystals doped with Nb_2O_5 and Al_2O_3. During the past period, many runs were made to determine the (Physics--Solid State, TT, v. 9, no. 3) (over)

62-32326

I. CEN R-2079
II. EURAEC-245
III. EURATOM (Belgium)

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

62-32155

Schmets, J. and Herbrigns, R.
DECONTAMINATION FACTOR OBTAINED DURING RETREATMENT BY VOLATILIZATION OF IRRADIATED URANIUM OXIDE. Special rept. no. 2 on Contract 008-FO-4 BEL. [1962] 49p. CEN BLG-58. Order from OTS or SLA $4.60 EURAEC 165

Trans. of rept. from Centre d'Etude de l'Energie Nucléaire, Brussels (Belgium) Sep 61.

DESCRIPTORS: *Uranium compounds, *Oxides, *Fission products, *Decontamination, Vapor pressure, Oxidation, Reduction, Fluorination, Rare earths, Ruthenium, Rhodium, Palladium, Molybdenum, Tellurium, Neptunium, Purification.

I. Schmets, J.
II. Herbrigns, R.
III. CEN BLG-58
IV. EURAEC 165
V. EURATOM (Belgium)

[Nuclear Engineering, TT, v. [illegible]]

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

Amelinckx, S. and others.
PHYSICAL PROPERTIES OF UO_2 CRYSTALS. Quarterly rept. no. 1, 1 Oct-31 Dec 61 on Contract 063-61-10-RPR, [1962] 24p. 28 refs.
Order from OTS or SLA $2.60 EURAEC-266

Trans. of a rept. from Centre d'Étude de l'Énergie Nucléaire, Mol (Belgium) n.d.

DESCRIPTORS: *Uranium compounds, *Dioxides, *Single crystals, *Physical properties, Radiation effects, Crystal lattices, Thermal conductivity, Electrical properties, Semiconductors.

(Physics--Solid State, TT, v. 9, no. 9)

63-13151

I. Amelinckx, S.
II. EURAEC-266
III. EURATOM (Belgium)

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

60-18793

Tytgat, D.
STUDY FOR THE BR-1 REACTOR OF A PROTOTYPE OF A FUEL ELEMENT OF NATURAL URANIUM WITH NICKEL COATING AND ALUMINUM CLADDING. [1960] 6p. (figs. refs. omitted).
Order from SLA $1.10 60-18793

I. Tytgat, D.
II. CEN R-182.

Trans. of C[entre d'Étude de l'Énergie] N[ucléaire] Brussels (Belgium) no. R-1822, May 60, 21p.

DESCRIPTORS: *Research reactors, *Reactor fuel elements, *Reactor fuel cladding, Uranium, *Aluminum coatings, *Nickel coatings.

(Nucle. r Pl[illegible] Nuclear Engineering, TT. v. 9, no. 11)

Office of Technical Serv...

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

Dejonghe, P.
RESEARCH ON THE TREATMENT OF RADIOACTIVE WASTE AND WATER. Quarterly rept. 7, 1 Oct-61-15 Jan 62, on Contract 048-61-4 RDB. [1962] 35p. CEN R-2084.
Order from OTS or SLA $3.60 EURAEC-275

Trans. of a rept. from Centre d'Étude de l'Énergie Nucléaire, Mol (Belgium) n. d.

DESCRIPTORS: Scientific research, *Radioactive waste, *Disposal, Water, *Radioactive isotopes, Solubility, Soils, *Tracer studies, Geochemistry, Hydrology, Incinerators, Gases, Ash.

Tests were made on the uptake of evaporation and ash concentrates. The possibilities were investigated of using $K_3Co^{60}(CN)$ and Zn^{65} EDTA for average and half-life water tracers. The results with both isotopes (Nuclear Physics--Waste Disposal, TT, v. 9, no. 12)
(over)

63-15078

I. Dejonghe, P.
II. CEN R-2084
III. EURAEC-275
IV. EURATOM (Belgium)

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

REPROCESSING OF IRRADIATED FUELS. Quarterly rept. 5 (2d yr.) 1 Apr-30 June 62, on Contract 049-61-4 RDB. [1963] 26p.
Order from OTS or SLA $2.60 EURAEC-382

Trans. of a rept. from Centre d'Étude de l'Énergie Nucléaire, Mol (Belgium) n.d.

DESCRIPTORS: *Reactor fuel processing, *Chlorination, *Reaction kinetics, *Fission products, Powders, *Powder metallurgy, *Uranium compounds, *Fluorides, Distillation, *Plutonium.

Contents:
Chloridization, by P. Speeckaert and others
Kinetics, by A. Burkholz and others
Elimination of fission products, by C. Pierini and R. Harmie
(Nuclear Physics--Nuclear Engineering, TT, v. 10, no. 4)

(over)

63-15803

1. EURAEC-382
II. European Atomic Energy Community, Brussels (Belgium)

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

Schmets, J. and others.
RETREATMENT OF SPENT FUELS. Quarterly rept. 2, July-Sep 60. [1962] 136p. CEN R-1910.
Order from OTS or SLA $10.50 EURAEC-24

Trans. of a rept. from Centre d'Étude de l'Énergie Nucléaire, Brussels (Belgium) 1960.

DESCRIPTORS: *Reactor fuels, Chlorination, Kinetic theory, Particles, Fission products, Disposal, Powders, *Uranium compounds, *Fluorides, *Plutonium, Chlorides, Carbides, Oxides, Kinetic theory, Oxidation reduction reactions, Fluidized solids.

Contents:
Chlorination
Kinetics
Analysis of particles
Disposal of fission products
(Nuclear Physics--Nuclear Engineering, TT, v. 10, no. 6) (iwer)

63-15815

I. Schmets, J.
II. CEN R-1910
III. EURAEC-24
IV. European Atomic Energy Community, Brussels (Belgium)

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

Amelinckx, S. and others.
SOLID STATE NEUTRON DETECTOR. Quarterly rept. 6, 1 Jan-31 Mar 62, on Contract 079-61-10 RDB. [1963] [19]p. 8 refs. CEEN R-2112.
Order from OTS or SLA EURAEC-306

Trans. of a rept. from Centre d'Étude de l'Énergie Nucléaire, Mol (Belgium) n.d.

DESCRIPTORS: *Neutron detectors, Radiation measurement systems components, *Semiconductor devices, *Single crystals, *Silicon compounds, *Carbides, Impurities, Aluminum, *Photoelectricity, Resistance (Electrical), *Hall effect, Fast neutrons, Neutron bombardment.

P-N junctions with relatively good characteristics have been obtained by diffusion of Al into n-type SiC single crystals. The width of the barrier is estimated to be (Nuclear Physics--Instruments, TT, v. 10, no. 9)
(over)

63-19989

I. Amelinckx, S.
II. CEEN R-2112
III. EURAEC-306
IV. European Atomic Energy Community, Brussels (Belgium)

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

Amelinckx, S. and others.
SWELLING OF URANIUM. Quarterly rept. 8, 1 July-30 Sep 62, on Contract 022-60-09 RDB. [1963] [31]p. CEEN R 2179.
Order from OTS or SLA $3.60 EURAEC-464

Trans. of a rept. from Centre d'Etude de l'Energie Nucleaire, Mol (Belgium) n.d.

DESCRIPTORS: *Uranium, *Foils, Preparation, Cold-working, Annealing, *Electrolytic polishing, *Grain structure (Metallurgy), *Radiation effects, *Crystal lattice defects, *Twinning (Crystallography), Crystal structure, Electron microscopy.

Observations were made of the defect structure in thin α-uranium foils of highest purity. A method was developed which appears to be suitable for the preparation of thin uranium foils of large grain size. Such
(Physics--Solid State, TT, v. 10, no. 9) (over)

63-19985

I. Amelinckx, S.
II. CEEN R-2179
III. EURAEC-464
IV. European Atomic Energy Community, Brussels (Belgium)

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

63-23281

CORROSION PROBLEMS. Quarterly rept. no. 1, 1 Mar-31 May 60. [1963] 48p 3refs
Order from OTS or SLA $4.60 EURAEC-29

Trans. of a rept. from Centre Belge d'Étude de la Corrosion, Brussels; Centre d'Étude de l'Énergie Nucléaire, Brussels (Belgium); Société d'Études, de Recherches et d'Applications pour l'Industrie, Brussels (Belgium) Jan 60.

DESCRIPTORS: *Reactor materials, *Corrosion, Electrochemistry, Temperature.

(Nuclear Physics--Nuclear Engineering, TT, v. 10, no. 12)

I. EURAEC-29
II. European Atomic Energy Community, Brussels (Belgium)

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

Dusts -- Silicosis.
bk,
FRENCH, ~~xxx~~ Centre d'Etudes et Recherches,
1959.

Dept of Interior
TN7 E57 No 518 (R)

196,830

Bdi - Min/met

May 62

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

Methods of Calculating Multiple Regression and Correlation Coefficients, by J. M. Faverge, 20pp
FRENCH, per, Centre d'Etudes et Recherches Psychotechniques, Vol 4, 1955, No 4, pp 371-377
SLA TT-64-20201

Sci - Earth Sci
May 67

326,580

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

Current Work of CERCHAR on Explosives.

FRENCH, per, Centre d'Studes et Recherches, Charbonnages de France.

Dept of Interior
TN7 E57 No 7[illegible]

Sci
Apr 64

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

Dusts -- Silicosis.

FRENCH, per, Centre d'Etudes et Recherches Charbonnages de France,

Dept of Interior
TN7 E57 No 518 (R)

211,353

Sci - Min/Met

Aug 62

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

Concerning a Mechanism of the Fissuring of Coke, by R. Audibert, 19 pp.

FRENCH, per, Centre d'Etudes et Recherches des Charbonnages de France, Jun 1953.

Dept of Interior
US Bur of Mines
Central Experiment Station
Pittsburgh, Pa. Tr 92

Sci - Engr

May 59

87, 641

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

The Mechanical Action of Explosives, by
M. Chiltaire.

FRENCH, pub, Centre d'Etudes et Recherche des Charbonnages de France, No 650, Sep 1955.

Dept of Interior
National Coal Bd Tr & A 1956/dis
US Bur of Mines
Central Experiment Station
Pittsburgh, Pa

Sci - Chem
Jan 61

136,755

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

A Study of Certain Lignites; the Nature and Determination of their Mineral Matter, by A. Kreysenbohl.

FRENCH, per, Centre d'studes et Recherches des Charbonnages de France, No 745, Sept. 1956.

Nat'l Coal Board Tr A1274/SEH
U. S. Bureau of Mines
Central Experiment Station
Pittsburgh, Pa.

Sci- Geophys

171,506

Oct 61

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

Durand, Georges and Lahouste, Jean.
A LABORATORY COKING OVEN FOR 20-KG. CHARGES. [1960] [16] p. 12 refs.
Order from OTS or SLA $1.60 60-13262

Trans. of mimeo. pub. by Centre d'Etudes et Recherches des Charbonnages de France, 1959, p. 1-11

DESCRIPTORS: Laboratory furnaces, Metallurgical laboratories, *Coke, Ovens, *Coal, Quality control, Carbonization, Costs.

(Materials--Fuels, TT, v. 8, no. 12)

60-13262

I. Durand, G.
II. Lahouste, J.
III. Department of the Interior, Washington, D. C.

10-31-62
Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

Intrinsically Safe Electrical Equipment, by
L. Chaineaux.

FRENCH, pp , Centre d'Etudes et Recherches des
Charbonnages de France, H.511, Feb 1961.

Dept of Interior
Tr No 1760

Sci

Jan 68

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

Comparative Measurements of Tension on Cements and Mortars, by R. M. Rouchier Berthier, 2 pp.

FRANCE, per, Centre d'Etudes et de Recherches de l'Industrie des Liants Hydrauliques, Publication Technique, No 43, 1951, pp 3,4.

S.I.A. Tr 1195

Sci - Engineering
Jan 57 OTS

42,675

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

Human Relations and Psychometrics, by Frederic Simon, 18 p.

FRENCH, per, Centre d'Etudes et Recherches Psychotechniques, Bull, 1954, Vol III, No 2, pp 2-9.

SLA 59-20868.

Sci
Apr 60
Vol III, No 3

111,570

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

Berlioz, L.
STUDY OF THE REPRODUCIBILITY OF THE ITEMS OF A TEST (Etude de la Reproductibilite des Questions d'un Test). [1961] [30]p. 2 refs.
Order from SLA $2.60 61-20436

Trans. of Centre d'Etudes et Recherches Psychotechniques. Bulletin (France) 1955, v. 4, no. 4, p. 379-391.

DESCRIPTORS: Group dynamics, *Statistical analysis, Test methods, *Applied psychology, Attitudes, Sociometrics, *Factor analysis, Standards.

The Guttmanian notion of reproducibility is first defined in the special case of item-test relationships. A valid coefficient, whatever be the distribution of scores, is proposed and used to study the reproducibility of the 36 items of the Mechanical Test (Behavioral Sciences--Psychology, TT, v. 7, no. 8)
(over)

61-20436

I. Berlioz, L.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

On the Problem of Time Equivalence of Irradiation, by A. Roizes.
FRENCH, rpt, CERTS-NT-02-09, 14 pp.
NASA TT F-12,046

Sci-Phys
Mar 69

377,558

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

English Title Unknown, by A. Roizes.
FRENCH, pub, Centre d'Etudes et de Recherches en Technologie Spatiale, NT-02-9, May 1968.
*NASA TT F-12,046

Nov 68

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

Les Courants du Golfe du Benin, by
L. Vincent-Cuaz.

FRENCH, rpt, Centre d'Etudes Scientifiques et
Techniques Appliques a la Peche, [illegible].

*BCF
Bio Lab
Washington, D.C.

Sci
Sept 54

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

Study of the Blast Furnace, Part I, by J. Michard.
FRENCH, Doc. Centre d'Etude Superieures de la
Siderurgie, 1959, pp 7-18.
EUSI 3280

Sci - M/M
Aug 64

264,263

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

Study of the Blast Furnace - VIII,
by [illegible] Michard,
[illegible], per, Centre d'Etude Superieures
de la Siderurgie, 1959, pp 80-87,
DTSL 3200 - Pt 8

Ho/France
Sci/[illegible]
Apr 45

278,476

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

Part VI - Application of the Study to the Case of Ore Deposition. Part VII - Heat Transfer in the Blast Furnace. G. A. Michard.
FRENCH. per. Centre d'Etude Superieures de la Siderurgie, Cahier II, 1959, pp 56-80.
BISI 3250

Sci - Engr
Sep 64

267,2030

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

Study of the Blast Furnace, by J. Michard.

FRENCH, per, Centre d'Etude Superieures de la Siderurgie, Parts 3, 4, Cahier II, 1959, pp 19-38.

EIBI 3280

Sci - M/M
Aug 63

343,429

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

Automation in Blast Furnaces, by H. Sulzer.

FRENCH, [redacted], Centre d'Etudes Superieurs de la Siderurgie, Apr 1962.

BIBI 3080

Sci - M/M
Apr 63

229,461

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

The Progress of Ingot Solidification,
by P. Vallet,
Fremdl, per, Centre d'Etudes Sider.,
Cahiers du Cossid, 1964, Metz, 55.
BISI 4440

Sci/Mgn
Dec 65

293,165

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

Example of Calculation of the Characteristics of a Hot Blast Stove, by D. Samna. FRENCH, bk, Centre d'Etudes Superieures de la Siderurgie Les Cahiers du Cessid, Cahier I, 1964, pp 5-47.
BISI 4685

Sci-M&M
Jul 66

303,891

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

Applications of Low Intensity Dry Separation to the Processing of Roasted Lorraine Ores, by P. Javelle
FRENCH, per, C. D. S. Circ., No 3, 1966, pp. 675-721.

sci-mat
sept 69

399,225

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

Keller, R., Dick, L., and Fidecaro, M.
A SOURCE OF POLARIZED PROTONS: ACTUAL STATE OF CONSTRUCTION, tr. by B. Harvey.
Aug 60, 55p, 20 refs.
Order from OTS or $LA $5.60 UCRL Trans. 571

Trans. of C[entre] E[uropeen de] R[echerche] N[ucleaire] [Switzerland] Rept. 60-2, 29 Jan 60.

DESCRIPTORS: *Proton accelerators, Accelerators, *Cyclotrons, Construction, *Ion sources, *Protons, Polarization, Hydrogen, Dissociation, Atoms, Particle beams, Magnetic separation, Laval nozzles, Nozzles, Effectiveness.

(Nuclear Physics--Instruments, TT, v. 7, no. 3)

61-27751

I. Keller, R.
II. Dick, L.
III. Fidecaro, M.
IV. UCRL Trans-571
V. CERN-60-2
VI. Lawrence Radiation Lab., U. of California, Berkeley

8-29-61
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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

Characteristics of Flours Intended for the Manufacture of Wafers, by M. P. Bourreau.

FRENCH, pm bk, Centre de Formation Techniques et de Perfectionnement de L'Union des Fabricants de Biscuits, No 1, 1959, pp 1-4.

GB/75/B.B.I.R.A. T.62

Sci-Biol & Med Sci
May 63

229,883

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

The Cause of an Industrial Decentralization, 6 pp.
[illegible], No 15, 1963,
[illegible] pp [illegible]. ([illegible] 1 C39, No 15, 1963, Eng Tr)

Army Map Service

WEur - France
Econ
Feb 64

250,097

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

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Contribution to the Reversal of Pleochroic Halos,
by Maximilian Weber. 8 pp.
Germ, per. Contr. Mineral. Geol, 1923,
pp 318-325.
AEC 0241-tr-698

Sci/Earth Sci
Dec 60

314.317

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

Bulletin of Orbital Information. Part I,
Orbital Parameters,
FRENCH, Centre National D'Etudes Spatiales,
9 pp.
*NASA TT F

Oct 66

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

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Infrastructure, FOR OFFICIAL USE ONLY
FRENCH, rpt, Centre National D'Etudes Spatials
Rapport D'Activite, 1st July 1963- 1st July
1964, pp 51-58. P100104166
FTD-TT-65-1265

Sci-
Jan 67

316,853

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

The Tecnetron, by S. Tessmer. [illegible]

FRENCH, rpt, Centre Nat d'Etudes des Telecom, 1958.

RAE 777

Sci - Electron
Jun 59

89,776

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

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S-PC-1 Antennas for Responder Radar Mounted on "Veronique" Rockets, by Jean Menu, Pierre Blassel, 7 pp.
rpt
FRENCH, [redacted], Centre National d'Etudes des Telecommunications, Etude No 578 TC, 1960.

Amer Meteorol Soc T-F-35
AF Cambridge Res Center

167,832

Sci -- Electron

Sep 61

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

The D-1C and D-1D Satellites.
FRENCH, per. Centre National d'Etudes Spatiales.
Dept of Navy 5370/APL/JHU T-2000

Sci - Space Tech
Jun 67

327,013

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

Effect of Mobile Body's Fall Velocity Upon Wind Measurements in the Upper Stratosphere and the Mesosphere, by L. M. Malet.
FRENCH, per, Centre National de Recherches de l'Espace, Brussels, 20 pp.
NASA TT F-8640

Sci - E S & Ast
May 64
U.S. GOVERNMENT ONLY

258,638

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

Progression of Ingot Solidification, by P. Vallet.
FRENCH, per, Centre d'Etudes Superieures de la Siderurgie, Metz, Reprint, pp 1-55.
CRL/T. 2255

Sci -
Jul 67

333,000

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

Astronomical Observations Above the Earth's Atmosphere, by P. Swings, 64 pp.

FRENCH, per, Centre National de Recherches de l'espace, No 15, 1960, 61 pp. 9658842

Amer Meteorol Soc
T-F-37

Sci - Geophys
Mar 62

188,053

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

Aeronomical Problem of Neutral Helium and Hydrogen, by G. Kockart, M. Nicolet.

FRENCH, per, Centre National de Recherches de l'Espace, No 43, 1962, 61 pp.

NASA TT F-8274

Set
Jan 63
US GOV'T USE ONLY

214,881

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

Concrete Made with Granular Slag Particles, by J. Roguejoeffre,
FRENCH, per Centre d'Etudes et de Recherches de L'Industrie des Liants Hydrauliques Publication Techniques, Vol. 144, 1965
GS 81/LC 1218

Sci -
Sep 1967

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

Devitrification of Vitreous Silica, by
Celia Martinez, 17 p.

FRENCH, per, Centre National de la Recherche Sig/
Jour des Recherches, 1950, Vol XIX, No 10,
pp 101-106.

SLA 60-10092

Sci
Apr 60
Vol XIX, No 3

112,004

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201090080-8

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The Discharge of Fluids and Fluidised Solids,
by F. Muller.
FRENCH, rpt. Centre National de Recherches
Metallurgiques, Nov 1962.
BISI 3534

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F.1 TY Steel for Superheater Tubines.
FRENCH, rpt. Centre National de Recherches
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F 2 R8 Steel for Superheater Tubes, by M. Caubo, L. Jacques-Houssa.
FRANCE, Mem. rpt. Centre National de Recherches Metallurgiques, No 10, 1963.
BISI 3514

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Single Stage LD-AC Blowing Practice,
by P. Miles, P. Muller, et al.
Transl. per. Centre National de Recherches
Metallurgiques, No 1, Oct 1964, pp 15-22.
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Investigations of High Tensile Weldable Structural Steels, by M. Ecohomopoulos; T. Gruday.
FRENCH, per. C.N.R.M., 1964, (1), Oct., 45-63.
*BISI 4001

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Contribution to the Study of the Formation of
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FRENCH: Centre National de la Recherche
Scientifique, Service de Recherches Ionospheriques,
Technical Note CNI/NT/13.
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Jaffray, Jean.
THE INVESTIGATION OF HIGHER ORDER TRANSFORMATIONS BY THERMAL ANALYSIS, tr. by George R. Loehr. Mar 61 [29]p. Technical notes FRL-TN-38; AD-255 669.
Order from OTS or SLA $2.60 62-32334

Trans. of Centre National de la Recherche Scientifique, Paris. Journal des Recherches (France) 1947 [v. 1] p. 153-163.

DESCRIPTORS: *Thermodynamics, Temperature, *Transformations, Specific heat, Transition temperature, Cooling, *Chromium compounds, Oxides, *Copper compounds, Sulfates, *Sodium compounds, Ammonium radicals, *Beryllium compounds, Nitrates, Nitrites, Acetates.

In higher order transformations, latent heat is not involved; instead, specific heat increases with acceler- (over)
(Physics--Thermodynamics, TT, v. 9, no. 3)

62-32334

I. Jaffray, J.
II. FRL-TN-38
III. Feltman Research Labs., Picatinny Arsenal, Dover, N. J.
IV. AD-255 669

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Paquot, C.
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Order from ATS $14.10 ATS-16N56F

Trans. of Centre Nat[iona]l [de la] Recherche Sci[entifique] Paris. J[ournal des] Recherches (France) 1950 [v. 3] no. 13, p. 169-175.

DESCRIPTORS: *Sodium compounds, *Ethyl radical, *Amides, *Sulfates, Molecular structure.

(Physics--Molecular, TT, v. 7, no. 9)

62-12056

I. Paquot, C.
II. ATS-16N56F
III. Associated Technical Services, Inc., East Orange, N. J.

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Preparation of Silicon-Titanium Alloys by Fused Electrolysis, by Maurice Dodero, 6 p.

FRENCH, Centre National de la Recherche Scientifique Paris, Colloques Internationaux, 1952, Vol XXXIX, pp C11-C14.

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Guillaud, Charles and Bertrand, Roger.
STUDY OF THE CONDUCTIVITY OF SEMI-CONDUCTORS AND APPLICATION TO MIXED SYSTEMS OF OXIDES. [1963] 36p (figs omitted).
Order from SLA $3.60 63-18976

Trans. of Centre National de la Recherche Scientifique, Paris, Journal des Recherches (France) 1952, no. 18, p. 118-130.

DESCRIPTORS: *Semiconductors, Metallic compounds, *Oxides, *Iron compounds, *Zinc compounds, *Magnesium compounds, *Manganese, Electrical conductance, *Quantum mechanics, *Thermoelectricity, *Thermistors.

The results of measurements show that the conductivity as a function of the composition of the mixed oxides behaves in general as the theory allows one to predict. It was also shown what profit one can derive from the
(Physics--Solid State, TT, v. 10, no. 12) (over)

63-18976

I. Guillaud, C.
II. Bertrand, R.

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Investigation of the Optimum Conditions for the Use of a Fabry-Perot Photoelectric Spectrometer, by R. Chaubal.

FRENCH, per, Centre National de la Recherche Scientifique, Journal des Recherches, Vol XXIV, 1953, pp 141-144.

CSIRO 192,139

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Study and Realization of a High-Frequency Furnace for the Laboratory, by Yves Roux, 10 pp.

FRENCH, pub, Centre National de la Recherche Scientifique, Paris, Journal des Recherches, Vol VI, No 33, 1955, pp 404-407.

SLA 60-18306

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M. Roseau

Direction of soil moisture movement under the influence of temperature.
FRENCH, pub, Centre National de la recherche scientifique, Colloques internationaux, No 48, 1953, pp 547-552.
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Vautier, Roger.
THE ENERGY OF MAGNETIZATION. July 61, 14p. (figs. omitted) 2 refs.
Order from OTS or SLA $1.60 62-24056

Trans. of C[entre] N[ational de la] R[echerche] S[cientifique, Paris]. J[ournal des] Rech[erches] (France) 1957 [v. 8] no. 38, p. 23-29.

DESCRIPTORS: *Magnetic fields, Energy, Analysis, Magnets, Circuits, Inductance.

The author analyzes the origin of the magnetic energy localized in the air gap of a magnetic circuit involving a permanent magnet. He examines the different possible cases and shows that the current interpretations of the value of this energy are wrong. (Author)

(Physics--Magnetism, TT, v. 10, no. 7)

62-24056

1. Vautier, R.
*II. National Bureau of Standards, Boulder, Colo.

4-27-62
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Optical Study of a Shock Tube with Magnetic Blowing, by M. Cloupeau
FRENCH, per, France, Centre National de Recherche Scientifique, Journal des Recherches, No 51, 1960, pp 117-121
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